| Ref # | Hits | Search Query | DBs | Default Operator | Plurais | Time Stamp |
|----------|------|--|--------------------|---------------------|---------|------------------|
| S1 | 4837 | branch near2 length | US-PGPUB; USPAT | OR | ON | 2004/08/24 08:43 |
| S2 | 332 | branch near2 length and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2004/08/18 15:31 |
| S3 | 0 | (advantage benefit) same (buffer line cache table entr\$3) with branch near2 length and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2004/08/18 15:32 |
| S4 | 85 | (buffer line cache table entr\$3) with branch near2 length and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2004/08/18 15:34 |
| S5 | 65 | (buffer line cache table entr\$3) with branch near2 length and g06f\$.ipc. | USPAT | OR | ON | 2004/08/18 15:42 |
| S6 | 2020 | @pd>="19900601" and @pd<="19900630" and g06f\$.ipc. | JPO | OR | ON | 2004/08/18 15:43 |
| S7 | 37 | @pd>="19900601" and @pd<="19900630" and g06f\$.ipc. and branch | JPO | OR | ON | 2004/08/18 15:43 |
| S8 | 1 | "5634103".pn. | US-PGPUB; USPAT | OR | OFF | 2004/08/23 15:52 |
| S9 | 7 | branch with (span\$3 overflow) with cache with (line entr\$3) with (indicat\$3 bit flag) | US-PGPUB; USPAT | OR | ON | 2004/08/23 15:54 |
| S10 | 19 | branch with (span\$3 overflow) with (line entr\$3) with (indicat\$3 bit flag) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2004/08/23 15:54 |
| S11 | 1 | "5850543".pn. | US-PGPUB; USPAT | OR | ON | 2004/08/24 08:43 |
| S12 | 30 | predict\$3 near3 branch near5 decode near2 stage | US-PGPUB; USPAT | OR | ON | 2004/08/24 14:22 |
| S13 | 7 | non-speculative adj prediction | US-PGPUB; USPAT | OR | ON | 2004/08/24 16:14 |
| S14 | 0 | instruction near3 (cache buffer queue) with "speculative bit" | US-PGPUB; USPAT | OR | ON | 2004/08/24 16:14 |
| S15 | 0 | instruction near3 (cache buffer queue) with specualtive near3 (flag bit indicat\$3) | US-PGPUB; USPAT | OR | ON | 2004/08/24 16:14 |
| S16 | 25 | instruction near3 (cache buffer queue) with speculative near3 (flag bit indicat\$3) | US-PGPUB; USPAT | OR | ON | 2004/08/24 16:15 |
| S17 | 3 | ("5355459" "5850543" "6108773").pn. | US-PGPUB; USPAT | OR | OFF | 2005/01/13 09:02 |

| S18 | | | | | | | |
|---|-----|-----|--|--------|----|-----|------------------|
| "5136697" "5265213" USPAT; USOCR | S18 | 15 | "5687360" "5761723" "5867701" "5964868" "5974543" "5978909" "6088793" "6151671" "6314514" "6502185" "6601161" "6647467"). | | OR | OFF | 2005/01/13 09:02 |
| S21 218 alias\$3 with address with cache US-PGPUB; USPAT USOCR US-PGPUB; USPAT US | S19 | 15 | "5136697" "5163140" "5226130" "5265213" "5319760" "5327536" "5327547" "5353421" "5394529" "5404467" "5414822" "5423011" | USPAT; | OR | OFF | 2005/01/13 09:48 |
| S22 30 alias\$3 with address\$2 with cache with instruction US-PGPUB; USPAT | S20 | 17 | | USPAT; | OR | ON | 2005/01/13 09:48 |
| with instruction | S21 | 218 | alias\$3 with address with cache | | OR | ON | 2005/01/13 15:53 |
| ((speculative predict\$3) near3 length) with (match\$3 equal) with ((actual true real) near3 length) S24 6 (mispredict\$3 mis-predict\$3) with ((speculative predict\$3) with length) with branch S25 15 (mispredict\$3 mis-predict\$3) same ((speculative predict\$3) same ((speculative predict\$3) with length) with branch S26 277 (BTB BTAC BHT) same length US-PGPUB; USPAT S27 44 (BTB BTAC BHT) same (length near4 instruction) S28 33 (mispredict\$3 mis-predict\$3) with length S29 5 predict\$3 mis-predict\$3) with length S29 5 predict\$3 with (length width size) near3 "target instruction" S30 269 "opcode byte" with (bit flag) and g06f\$.ipc. S31 143 "opcode byte" with indicat\$3 with (bit flag) and instruction) and "opcode byte" with indicat\$3 with (US-PGPUB; OR ON 2005/06/22 09:26 US-PGPUB; OR O | S22 | 30 | | , | OR | ON | 2005/01/13 15:53 |
| ((speculative predict\$3) with length) with branch S25 15 (mispredict\$3 mis-predict\$3) same ((speculative predict\$3) with length) with branch S26 277 (BTB BTAC BHT) same length S27 44 (BTB BTAC BHT) same (length near4 instruction) S28 33 (mispredict\$3 mis-predict\$3) with length S29 5 predict\$3 with (length width size) near3 "target instruction" S30 269 "opcode byte" with indicat\$3 with (bit flag) and g06f\$.ipc. S31 143 "opcode byte" with indicat\$3 with (US-PGPUB; USPAT S32 133 (variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT S30 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (US-PGPUB; USPAT S30 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT S30 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT S31 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT S32 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT" S32 Variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and "US-PGPUB; USPAT" | S23 | 0 | ((speculative predict\$3) near3 length) with (match\$3 equal) with | | OR | ON | 2005/01/14 10:05 |
| ((speculative predict\$3) with length) with branch S26 277 (BTB BTAC BHT) same length US-PGPUB; USPAT S27 44 (BTB BTAC BHT) same (length near4 instruction) S28 33 (mispredict\$3 mis-predict\$3) with length US-PGPUB; USPAT S29 5 predict\$3 with (length width size) near3 "target instruction" S30 269 "opcode byte" with (bit flag) and g06f\$.ipc. S31 143 "opcode byte" with indicat\$3 with (bit flag) and g06f\$.ipc. S32 133 (variable near3 (length size) near3 instruction) and "opcode byte" with (bit flag) and US-PGPUB; USPAT US-PGPUB; OR ON 2005/01/14 10:31 US-PGPUB; OR ON 2005/06/22 09:25 US-PGPUB; OR ON 2005/06/22 09:25 US-PGPUB; OR ON 2005/06/22 09:26 USPAT US-PGPUB; OR ON 2005/06/22 09:26 USPAT US-PGPUB; OR ON 2005/06/22 09:26 USPAT US-PGPUB; OR ON 2005/06/22 09:26 | S24 | 6 | ((speculative predict\$3) with | | OR | ON | 2005/01/14 10:14 |
| S27 | S25 | 15 | ((speculative predict\$3) with | | OR | ON | 2005/01/14 10:15 |
| near4 instruction) S28 33 (mispredict\$3 mis-predict\$3) with length S29 5 predict\$3 with (length width size) near3 instruction) WSPAT US-PGPUB; US-PGPUB; OR ON 2005/01/14 10:31 US-PGPUB; US-PGPUB; OR ON 2005/01/14 10:31 US-PGPUB; OR ON 2005/06/22 09:25 US-PGPUB; US-PGPUB; OR ON 2005/06/22 09:25 US-PGPUB; US-PGPUB; OR ON 2005/06/22 09:25 US-PGPUB; US-PGPUB; OR ON 2005/06/22 09:26 US-PGPUB; US-PGPUB; OR ON 2005/06/22 09:26 US-PGPUB; | S26 | 277 | (BTB BTAC BHT) same length | , | OR | ON | 2005/01/14 10:16 |
| S29 S Predict\$3 with (length width size) DS-PGPUB; US-PGPUB; US-PG | S27 | 44 | | | OR | ON | 2005/01/14 10:21 |
| near3 "target instruction" S30 269 "opcode byte" with (bit flag) and g06f\$.ipc. S31 143 "opcode byte" with indicat\$3 with (bit flag) and g06f\$.ipc. S32 133 (variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and | S28 | 33 | , | | OR | ON | 2005/01/14 10:30 |
| g06f\$.ipc. USPAT USPAT USPAT US-PGPUB; OR ON 2005/06/22 09:26 USPAT S32 133 (variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and US-PGPUB; USPAT USPAT USPAT USPAT USPAT OR ON 2005/06/22 09:26 USPAT | S29 | 5 | , | | OR | ON | 2005/01/14 10:31 |
| (bit flag) and g06f\$.ipc. USPAT (variable near3 (length size) near3 instruction) and "opcode byte" uSPAT with indicat\$3 with (bit flag) and | S30 | 269 | | , | OR | ON | 2005/06/22 09:25 |
| instruction) and "opcode byte" USPAT with indicat\$3 with (bit flag) and | S31 | 143 | • | | OR | ON | 2005/06/22 09:26 |
| | S32 | 133 | instruction) and "opcode byte" with indicat\$3 with (bit flag) and | 1 | OR | ON | 2005/06/22 09:26 |

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|---------------|-----|--|--------------------|----|----|------------------|
| S33 | 126 | (variable near3 (length size) near3 instruction) and "opcode byte" with indicat\$3 with (bit flag) and (predict\$3 near5 branch) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:27 |
| S34 | 20 | "opcode byte" near3 indicat\$3 near3 (bit flag) and (predict\$3 near5 branch) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:44 |
| S35 | 21 | "opcode byte" near3 indicat\$3 near3 (bit flag) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:28 |
| S36 | 2 | ("opcode byte" near3 indicat\$3 near3 (bit flag)) same (predict\$3 with branch\$3) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:29 |
| S37 | 16 | "opcode byte" near3 indicat\$3 near3 (bit flag) and ((predict\$3 near5 branch) same opcode) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:30 |
| S38 | 1 | "opcode byte" near3 indicat\$3 near3 (bit flag) and ((predict\$3 near5 branch) with opcode) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:30 |
| S39 | 15 | "opcode byte" near3 indicat\$3 near3 (bit flag) and ((predict\$3 near5 branch) same (instruction fetch) near4 address) and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:48 |
| S40 | 1 | "6823444".pn. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:52 |
| S41 | 42 | branch with wrap\$3 with line and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:53 |
| S42 | 20 | branch with wrap\$3 with line with (bit flag signal) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 09:53 |
| S43 | 40 | branch with wrap with line and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:37 |
| S44 | 662 | "instruction cache" same "instruction buffer" and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 13:33 |
| S45 | 479 | "instruction cache" with "instruction buffer" and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 13:53 |
| S46 | 201 | "prefetch buffer" same "instruction cache" and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 13:54 |
| S47 | 5 | "prefetch buffer" same "instruction cache" same (advantag\$4) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 13:54 |
| S48 | 48 | "prefetch buffer" same "instruction cache" same (availab\$5) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/22 14:15 |

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| S49 | 4 | ((variable near2 byte) near3 instruction) and (bit flag signal) with indicat\$3 with branch\$3 near5 opcode | US-PGPUB; USPAT | OR | ON | 2005/06/22 14:21 |
| S50 | 10 | ((variable near2 byte) near3 instruction) and predict\$3 with byte with opcode | US-PGPUB; USPAT | OR | ON | 2005/06/22 14:22 |
| S51 | 27 | predict\$3 with byte with opcode | US-PGPUB; USPAT | OR | ON | 2005/06/22 14:22 |
| S52 | 6 | ("5623615" "5734881" "5948100" "6175897" "6233676" "6260138").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/06/22 14:48 |
| S53 | . 1 | "560 4 877".pn. | US-PGPUB; USPAT | OR | OFF | 2005/06/22 16:56 |
| S54 | 2 | bwrap | US-PGPUB; USPAT | OR | OFF | 2005/06/22 16:56 |
| S55 | 9 | (bit flag) with indicat\$3 with (multiple plurality) near4 line with instruction and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:36 |
| S56 | 3 | (bit flag) with indicat\$3 with (multiple plurality) near3 cache near2 line with instruction and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:37 |
| S57 | 75 | instruction with wrap with line and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:40 |
| S58 | 34 | instruction with wrap with line with (bit flag signal) and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:42 |
| S59 | 2 | instruction with wrap with line and g06f\$.ipc. | USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/06/23 08:41 |
| S60 | 2 | fwrap and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:41 |
| S61 | 215 | instruction with next near3 line with (bit flag signal) and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:42 |
| S62 | 2 | instruction with "next cache line" with (bit flag signal) and g06f\$. ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:42 |
| S63 | 51 | instruction with "next line" with (bit flag signal) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:43 |
| S64 | 42 | instruction near5 "next line" with (bit flag signal) and g06f\$.ipc. | US-PGPUB; USPAT | OR | ON | 2005/06/23 08:43 |